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WISCONSIN ECONOMIC INDICATORS

JANUARY 1986

DILHR

DEPARTMENT OF
INDUSTRY, LABOR & HUMAN RELATIONS

WISCONSIN DATA AND SOURCES

	INDICATOR	SOURCE
L1	Composite Index of Leading Indicators	Wis.Dept. of Industry, Labor and Human Relations
L2	Average Work Week, Manufacturing	Wis. Dept. of Industry, Labor and Human Relations
L3	Average Overtime Hours, Mfg.	Wis. Dept. of Industry, Labor and Human Relations
L4	Average Weekly Initial Claims	Wis. Dept. of Industry, Labor and Human Relations
L5	Total Job Openings Received	Wis. Dept. of Industry, Labor and Human Relations
L6	New Business Incorporations	Wisconsin Secretary of State
L7	Net Gain in Business Phone Access Lines	Wis. Telephone Co. and General Telephone Co.
L8	Building Plans Examined	Wis. Dept. of Industry, Labor and Human Relations
C1	Help-Wanted Advertising Index (Milw.)	National Industrial Conference Board
C2	Total Unemployment Rate	Wis. Dept. of Industry, Labor and Human Relations
C3	Natural Gas Sales	Wisconsin Public Service Commission
C4	New Car Registrations	Wis. Department of Transportation
C5	Electric Power Sales	Wisconsin Public Service Commission
C6	Total Securities Registrations	Wisconsin Commissioner of Securities
C7	Manufacturing Employment	Wis. Dept. of Industry, Labor and Human Relations
C8	Average Weekly Earnings, Mfg.	Wis. Dept. of Industry, Labor and Human Relations
C9	Cash Receipts From Farm Marketing	U.S. Department of Agriculture
C10	Contract Construction Employment	Wis. Dept. of Industry, Labor and Human Relations
X1	Birth Registrations	Wis. Department of Health and Social Services
X2	Death Registgrations	Wis. Department of Health and Social Services
X3	Natural Net Gain in Population	Wis. Department of Health and Social Services
X4	Marriage Registrations	Wis. Department of Health and Social Services
X5	Consumer Price Index (Milwaukee)	U.S. Bureau of Labor Statistics
X6	Index of Prices Received By Farmers	Wisconsin Department of Agriculture
X7	Net Gain in Residential Phone Access Lines	Wis. Telephone Co. and General Telephone Co.
X8	Labor Disputes, No. of Workers	Wis. Dept. of Industry, Labor and Human Relations
X9	Unemployment Compensation Exhaustees	Wis. Dept. of Industgry, Labor and Human Relations

NOTES: Selected series are seasonally adjusted by the Bureau of the Census X-11 Variant of the Census Method II Seasonal Adjustment Program. The adjusted data are plotted on arithmetic scales.

SECTION A is a summary of recent data and current changes for all indicators and is presented in chart form. The indicators are presented with cyclical timing as the principle basis of classification.

SECTION B is a summary of Wisconsin Labor Force Estimates, including Employment, Unemployment and Unemployment Rates, and selected U.S. data.

SECTION C analyzes the Wisconsin labor force by industry and by specified Standard Metropolitan Statistical Areas.

SECTION D singles out certain economic time series as being leading or coinciding in relation to movements in aggregate economic activity. They are seasonally adjusted and presented graphically. The indicators are grouped by cyclical timing.

COVER PHOTO: Courtesy of Wisconsin Division of Tourism.

THE WISCONSIN ECONOMY

SUMMARY FOR DECEMBER

WISCONSIN'S EMPLOYMENT DECREASE WAS NEAR NORMAL FOR DECEMBER. HOWEVER, THE SIZE OF THE LABOR FORCE FAILED TO GROW AS MUCH AS NORMAL, KEEPING UNEMPLOYMENT GROWTH SMALLER THAN USUAL.

LEADING INDICATORS

Wisconsin manufacturing workers spent more time on the job in December than in the previous month. The production workers' average number of hours worked per week grew by 6-tenths of an hour. December's average workweek normally does grow, but this month's increase is well above the usual seasonal growth.

The average workweek in December amounted to 42.4 hours, large for any month. In fact, since records began in 1957, this month's average has been exceeded only twice and matched only twice; and those occasions all occurred before 1974.

Contributing to the longer average workweek was the gain in overtime hours worked in December. The average number of overtime hours for production workers amounted to 4.0 per week. That's a 0.4 hour increase from one month earlier...and overtime usually decreases slightly from November to December.

Along with the increased hours of work was a decrease in the number of people employed in manufacturing industries. The manufacturing employment level normally decreases in December, but this decrease was milder than is seasonally normal.

Thus, the combination of hours-worked times employment level in manufacturing bettered the usual seasonal pattern for December.

Laid off workers boosted the level of average weekly initial claims for unemployment compensation during December. While the initial claims count did increase by about 2,700 per week, that amount of claim growth is moderate for the month. A growth of about 3,000 per week would fit the seasonal pattern.

The number of job openings received by Job Service offices throughout the state decreased. The nearly 700 fewer calls for workers is slightly larger than the normal downward trend in December.

WISCONSIN LABOR FORCE

During December, the employment level throughout the state decreased by over 15 thousand. There usually are fewer employed workers in that month. In fact, from 1973 through 1984, the November-to-December employment drop averages 16.2 thousand. Thus, this December's 15.6 thousand decrease is a slight improvement in the trend.

Total unemployment increased by about 16 thousand. But unemployment, too, followed a November-to-December pattern. From 1973 to 1984 the average number of unemployed job seekers grew by 19.7 thousand in December. This December's unemployed grew by 16.1 thousand.

The state's total labor force remained nearly unchanged in December, and that's unusual. The decline of employment nearly matched the increase of unemployment while only about 500 new entrants joined the labor force. More typically, the labor force grows by about 3,500 in December.

A WISCONSIN ECONOMIC INDICATORS

INDICATOR	UNIT	MONTHLY SERIES Latest Month		Mo/Ago	Yr/Ago	% CHANGE Mo/Ago	% CHANGE Yr/Ago	AVG. 1984
LEADING INDICATORS								
L1 COMPOSITE INDEX OF LEADING INDICATORS								
Seasonally Adjusted	INDEX	85.7	Dec	88.3	63.8	-2.9	34.3	70.1
L2 AVG. WORK WEEK, MFG.								
Unadjusted	HOURS	42.4	Dec	41.8	41.9	1.4	1.2	41.1
Seasonally Adjusted		41.9		41.5	41.4	1.0	1.2	
L3 AVG. OVERTIME HOURS, MFG.								
Unadjusted	HOURS	4.0	Dec	3.6	3.4	11.1	17.6	3.2
Seasonally Adjusted		3.9		3.5	3.4	11.4	14.7	
L4 AVG. WEEKLY INITIAL CLAIMS								
Unadjusted	NUMBER	14,811	Dec	12,137	18,332	22.0	-19.2	10,817
Seasonally Adjusted		9,783		9.989	12,111	-2.1	-19.2	
L5 TOTAL JOB OPENINGS REC.								
Unadjusted	NUMBER	6,997	Dec	7,683	4,507	-8.9	55.2	8,694
Seasonally Adjusted		9,040		9,157	5,822	-1.3	55.3	
L6 NEW BUSINESS INCORPORATIONS								
Unadjusted	NUMBER	516	Dec	503	532	2.6	-3.0	562
Seasonally Adjusted		496		521	511	-4.8	-2.9	
L7 NET GAIN IN BUSINESS PHONES ACCESS LINES								
Unadjusted	NUMBER	489	Dec	338	714	44.7	-31.5	328
Seasonally Adjusted		1,009		1,220	450	-17.3	124.2	
L8 BUILDING PLANS EXAMINED								
Unadjusted	NUMBER	434	Dec	617	322	-29.7	34.8	487
Seasonally Adjusted		548		633	407	-13.4	34.6	
ROUGHLY COINCIDING INDICATORS								
C1 HELP-WANTED INDEX (MILW.)								
Seasonally Adjusted	INDEX	62	Dec	56	63	10.7	-1.6	52
C2 UNEMPLOYMENT RATE, TOTAL								
Unadjusted	PERCENT	7.5	Dec	6.9	7.7	-	-	7.4
Seasonally Adjusted		7.0		7.2	7.3	-	-	
C3 NATURAL GAS SALES								
Unadjusted	MIL. THERMS	301.3	Nov	186.5	305.6	61.6	-1.4	252.5
Seasonally Adjusted		264.8		236.4	268.5	12.0	-1.4	
C4 NEW CAR REGISTRATIONS								
Unadjusted	NUMBER	9,975	Dec	11,980	11,243	-16.7	-11.3	16,066
Seasonally Adjusted		12,654		12,825	14,265	-1.3	-11.3	
C5 ELECTRIC POWER SALES								
Unadjusted	MIL. KWH	1835.6	Nov	1934.6	1851.0	-5.1	-0.8	1865.8
Seasonally Adjusted		1857.9		1911.7	1872.7	-2.8	-0.8	
C6 TOTAL SECURITIES REGISTRATIONS								
Unadjusted	MIL. DOL.	96.0	Dec	111.3	94.3	-13.7	1.8	89.4
Seasonally Adjusted		111.8		90.9	109.8	23.0	1.8	

A WISCONSIN ECONOMIC INDICATORS

INDICATOR	UNIT	MONTHLY SERIES Latest Month		Mo/Ago	Yr/Ago	% CHANGE Mo/Ago	% CHANGE Yr/Ago	AVG. 1984
C7 MANUFACTURING EMPL.								
Unadjusted	THOUS.	512.3	Dec	514.6	516.5	-0.4	-0.8	518.3
Seasonally Adjusted		517.0		514.6	521.4	0.5	-0.8	
C8 AVG. WEEKLY EARNINGS, MFG.								
Unadjusted	DOLLARS	446.05	Dec	435.14	426.54	2.5	4.6	412.46
Seasonally Adjusted		433.90		427.87	415.05	1.4	4.5	
C9 CASH RECEIPTS FROM FARM MKTG.								
Unadjusted	MIL. DOL.	450.4	Nov	427.9	476.4	5.3	-5.5	428.0
Seasonally Adjusted		404.7		431.8	428.0	-6.3	-5.4	
C10 CONTRACT CONSTRUCTION EMPL.								
Unadjusted	THOUS.	59.4	Dec	64.6	58.3	-8.0	1.9	58.3
Seasonally Adjusted		59.6		59.2	58.6	0.7	1.7	
OTHER KEY INDICATORS								
X1 BIRTH REGISTRATIONS								
Unadjusted	NUMBER	5,414	Dec	6,219	5,491	-12.9	-1.4	6,101
Seasonally Adjusted		6,159		7,003	6,249	-12.1	-1.4	
X2 DEATH REGISTRATIONS								
Unadjusted	NUMBER	3,447	Dec	3,611	3,380	-4.5	2.0	3,438
Seasonally Adjusted		3,839		3,785	3,766	1.4	1.9	
X3 NATURAL NET GAIN POPULATION								
Unadjusted	NUMBER	1,967	Dec	2,608	2,111	-24.6	-6.8	2,663
Seasonally Adjusted		2,405		3,232	2,579	-25.6	-6.7	
X4 MARRIAGE REGISTRATIONS								
Unadjusted	NUMBER	1,879	Dec	2,763	1,943	-32.0	-3.3	3,420
Seasonally Adjusted		3,212		3,370	3,323	-4.7	-3.3	
X5 CONSUMER PRICE INDEX (MILW.)				(Sep)				
Unadjusted	INDEX	333.9	Nov	332.4	324.3	0.5	3.0	320.6
X6 PRICES RECEIVED BY FARMERS								
Unadjusted	INDEX	130	Dec	132	139	-1.5	-6.5	144
Seasonally Adjusted		133		133	142	0.0	-6.3	
X7 NET GAIN IN RESIDENTIAL PHONES ACCESS LINES								
Unadjusted	NUMBER	-204	Dec	3,246	880	-106.3	-123.2	750
Seasonally Adjusted		1,088		1,404	1,431	-22.5	-24.0	
X8 LABOR DISPUTES, NO. OF WORKERS								
Unadjusted	NUMBER	0	Dec	0	690	0.0	-100.0	520
Seasonally Adjusted		0		0	1,172	0.0	-100.0	
X9 UNEMPL. COMPENSATION EXHAUSTEES	NUMBER							
Unadjusted		24,849	Dec	24,767	24,517	0.3	1.4	28,186
Seasonally Adjusted		29,653		28,338	29,260	4.6	1.3	

Section

B

LABOR FORCE ESTIMATES

WISCONSIN LABOR FORCE ESTIMATES DECEMBER	(In Thousands)			Pct. Chg.	
	Latest Month	Month Ago	Year Ago	Month Ago	Year Ago
Unadjusted					
CIVILIAN LABOR FORCE	2395.5	2395.0	2425.8	0.0	-1.2
Employment (Inc. Labor Disputes)	2215.0	2230.6	2240.1	-0.7	-1.1
Unemployment	180.5	164.4	185.7	9.8	-2.8
Unemployment Rate	7.5	6.9	7.7	-	-
Seasonally Adjusted					
CIVILIAN LABOR FORCE	2391.8	2395.7	2427.1	-0.2	-1.5
Employment (Inc. Labor Disputes)	2224.6	2223.3	2251.1	0.1	-1.2
Unemployment	167.2	172.4	176.0	-3.0	-5.0
Unemployment Rate	7.0	7.2	7.3	-	-

WISCONSIN EMPLOYMENT ESTIMATES DECEMBER	(In Thousands)			Pct. Chg.	
	Latest Month	Month Ago	Year Ago	Month Ago	Year Ago
TOTAL NONFARM WAGE AND SALARY WORKERS	2009.2	2015.7	1982.9	-0.3	1.3
Unadjusted					
Manufacturing	512.3	514.6	515.9	-0.4	-0.7
Mining	1.4	1.9	1.5	-26.3	-6.7
Contract Construction	59.4	64.6	58.3	-8.0	1.9
Transportation and Public Utilities	90.9	90.8	91.9	0.1	-1.1
Elec., Gas and Sanitary Services	17.2	17.2	17.0	0.0	1.2
Wholesale Trade	101.5	101.8	101.6	-0.3	-0.1
Retail Trade	383.1	379.4	373.8	1.0	2.5
General Merchandise	52.0	51.1	53.6	1.8	-3.0
Finance, Insurance and Real Estate	107.4	107.1	104.1	0.3	3.2
Banking	29.2	29.1	28.0	0.3	4.3
Insurance	33.8	33.8	33.0	0.0	2.4
Service and Miscellaneous	420.7	421.6	410.4	-0.2	2.5
Hospitals	66.4	66.4	68.2	0.0	-2.6
Private Education	24.6	25.3	25.3	-2.8	-2.8
Government	332.5	333.9	325.4	-0.4	2.2
State Government	85.1	86.7	83.4	-1.8	2.0
Local Government	219.8	219.8	215.6	0.0	1.9

UNITED STATES LABOR FORCE ESTIMATES DECEMBER	(In Thousands)			Pct. Chg.	
	Latest Month	Month Ago	Year Ago	Month Ago	Year Ago
Seasonally Adjusted					
CIVILIAN LABOR FORCE	116,229	116,130	114,504	0.1	1.5
Employment	108,206	107,969	106,248	0.2	1.8
Unemployment	8,023	8,161	8,256	-1.7	-2.8
Unemployment Rate	6.9	7.0	7.2	-	-

MANUFACTURING EMPLOYMENT *(Unadjusted)* DECEMBER	(In Thousands) Latest Month	Month Ago	Year Ago
All Manufacturing (Including Canning)	512.3	514.6	515.9
All Manufacturing (Excluding Canning)	505.7	505.8	509.3
Durable Goods	317.9	318.1	323.5
Lumber and Wood Prod., (Except Furniture)	21.9	22.3	20.8
Sawmills and Planning Mills	3.2	3.1	3.2
Millwork, Veneer, Plywood & Prefab. Wood Prod.	9.8	9.9	9.1
Furniture and Fixtures	11.8	11.7	11.2
Household Furniture	5.3	5.2	4.9
Stone, Clay and Glass Products	6.8	7.3	6.8
Concrete, Gypsum and Plaster Products	2.7	3.2	2.5
Primary Metal Industries	19.3	19.3	19.7
Iron and Steel Foundries	10.7	10.6	11.1
Fabricated Metal Products	49.3	49.0	50.7
Heating Equipment (Except Electrical) & Plumbing Fixtures	4.7	4.7	5.0
Fabricated Structural Metal Products	11.9	11.9	12.0
Metal Stampings	11.9	11.8	12.6
Machinery (Except Electrical)	103.2	103.0	104.2
Engines and Turbines	19.5	19.2	21.0
Farm Machinery and Equipment	12.9	13.0	13.0
Const., Min. & Material Handling Mach. & Equip.	10.4	10.5	11.1
Metalworking Machinery and Equipment	12.5	12.4	12.0
Special Industry Machinery (Except Metalworking)	11.6	11.5	11.1
General Industrial Machinery and Equipment	14.9	14.8	15.5
Service Industry Machines	7.7	7.8	8.1
Electrical Machinery, Equipment and Supplies	49.6	49.7	52.4
Electrical Industrial Apparatus	18.4	18.3	18.4
Household Appliances	6.3	6.3	7.1
Transportation Equipment	35.2	34.9	36.5
Motor Vehicles and Equipment	27.1	26.9	29.6
Instruments and Related Products	10.9	10.7	11.0
Miscellaneous Manufacturing	10.0	10.1	10.3
Nondurable Goods	194.4	196.5	192.3
Food and Kindred Products	60.1	62.0	58.4
Meat Products	14.8	14.7	14.1
Dairy Products	19.1	19.0	17.6
Canning and Preserving	6.7	8.8	6.6
Bakery Products	3.8	3.9	4.0
Beverage Industries	7.7	7.9	8.4
Textile Mill Products	4.7	4.7	4.5
Knitting Mills	3.9	3.9	3.8
Apparel and Other Finished Products	7.0	6.9	6.5
Paper and Allied Products	46.7	47.0	46.9
Pulp and Paper Mills	29.2	29.2	29.2
Converted Paper and Paperboard Products	9.4	9.6	9.4
Paperboard Containers and Boxes	7.0	7.0	7.1
Printing, Publishing and Allied Industries	37.8	37.9	37.0
Newspapers	12.0	12.1	11.7
Commercial Printing	15.5	15.7	15.3
Chemicals and Allied Products	9.8	9.8	9.8
Rubber and Misc. Plastics Products	21.1	20.9	21.1
Miscellaneous Plastics Products	17.0	16.8	16.7
Leather and Leather Products	7.0	7.0	7.8
Leather Tanning and Finishing	1.6	1.7	1.8
Footwear (Except Rubber)	3.7	3.6	4.2
Other Nondurable Goods	-	-	-

Section

C WISCONSIN EARNINGS AND HOURS DATA

EARNINGS AND HOURS *(Unadjusted)* DECEMBER	Average Weekly Earnings			Average Weekly Hours		
	Latest Month	Mo. Ago	Yr. Ago	Latest Month	Mo. Ago	Yr. Ago
All Manufacturing (Incl. Canning)	$446	$435	$426	42.4	41.8	41.9
All Manufacturing (Excl. Canning)	448	439	427	42.5	41.9	41.8
Durable Goods	458	448	438	42.5	42.0	42.0
Lumber/Wood Prod. (Exc. Furn.)	323	316	313	41.3	41.5	41.0
Furniture and Fixtures	335	326	303	43.0	41.7	41.0
Stone, Clay and Glass Products	403	411	382	41.6	42.7	41.1
Primary Metal Industries	442	431	417	44.1	42.8	42.9
Iron and Steel Foundries	457	445	438	45.5	43.5	43.7
Fabricated Metal Products	422	419	413	40.9	40.8	40.5
Fab. Structural Metal Prod.	445	445	443	43.5	43.8	43.5
Metal Stampings	418	416	391	40.3	40.4	38.8
Machinery (Except Electrical)	520	498	498	43.9	42.7	42.8
Engines and Turbines	565	537	555	43.2	41.9	43.6
Farm Machinery and Equip.	549	547	523	42.1	42.0	41.8
Const. and Related Mach.	521	495	492	45.6	44.2	41.9
Metalworking Mach. and Equip.	577	547	509	45.6	43.7	43.2
Spec. Ind. Mach. (Exc. Metal).	530	515	511	45.4	44.4	44.9
Gen. Industrial Mach. and Equip.	519	501	508	42.5	41.2	42.1
Electrical Mach., Equip. and Supp.	416	405	400	41.1	40.1	40.9
Electrical Industrial Apparatus	418	413	425	39.9	39.4	40.9
Transportation Equipment	614	614	577	43.7	44.0	44.0
Instruments and Related Prod.	375	362	370	41.6	40.5	42.5
Nondurable Goods	427	415	405	42.3	41.5	41.8
Food and Kindred Products	408	384	381	41.8	40.3	40.9
Meat Products	380	380	332	42.4	42.1	38.6
Dairy Products	397	392	381	40.8	40.8	40.4
Textile Mill Products	305	297	291	41.4	40.4	40.5
Apparel and Other Fin. Prod.	252	248	238	39.9	39.6	38.9
Paper and Allied Products	559	551	537	46.7	46.2	47.1
Pulp and Paper Mills	590	590	566	46.8	46.8	47.7
Printing, Pub. and Allied Prod.	438	434	406	39.8	39.6	38.6
Chemicals and Allied Products	442	450	466	41.0	41.6	42.3
Rubber and Misc. Plastics Prod.	338	333	316	40.4	40.3	39.5
Leather and Leather Products.	250	244	256	39.1	38.2	38.6

DATA INCLUDES ALL FULL-TIME AND PART-TIME EMPLOYES WHO WORKED DURING, OR RECEIVED PAY FOR, ANY PART OF THE PAY PERIOD WHICH INCLUDES THE 12TH OF THE MONTH. PROPRIETORS, SELF-EMPLOYED PERSONS, DOMESTIC SERVANTS AND PERSONNEL OF THE ARMED FORCES ARE EXCLUDED. PEOPLE ON SICK LEAVE, VACATIONS, OR HOLIDAYS AND BEING PAID FOR THAT PERIOD BY THEIR EMPLOYER ARE CONSIDERED EMPLOYED. EARNINGS AND HOURS DATA PERTAIN TO PRODUCTION AND RELATED WORKERS IN MANUFACTURING DATA INCLUDES ALL FULL-TIME AND PART-TIME EMPLOYES WHO WORKED DURING, OR RECEIVED PAY FOR, ANY PART OF THE PAY PERIOD WHICH INCLUDES THE 12TH OF THE MONTH. PROPRIETORS, SELF-EMPLOYED PERSONS, DOMESTIC SERVANTS AND PERSONNEL OF THE ARMED FORCES ARE EXCLUDED. PEOPLE ON SICK LEAVE, VACATIONS, OR HOLIDAYS AND BEING PAID FOR THAT PERIOD BY THEIR EMPLOYER ARE CONSIDERED EMPLOYED. EARNINGS AND HOURS DATA PERTAIN TO PRODUCTION AND RELATED WORKERS IN MANUFACTURING INDUSTRIES. THE EARNINGS FIGURES ARE "GROSS" FIGURES, THAT IS, THEY REFLECT CHANGES IN WAGE RATES, SHIFT DIFFERENTIALS, AND PREMIUM PAY FOR OVERTIME WORK. THE HOURS FIGURES RELATE TO THE HOURS FOR WHICH PAY WAS RECEIVED AND ARE DIFFERENT FROM SCHEDULED OR STANDARD WORK HOURS.

Section

C WISCONSIN EARNINGS AND HOURS DATA

EARNINGS AND HOURS *(Unadjusted)* DECEMBER	Average Hourly Earnings Including O.T.			Average Hourly Earnings Excluding O.T.		
	Latest Month	Mo. Ago	Yr. Ago	Latest Month	Mo. Ago	Yr. Ago
All Manufacturing (Incl. Canning)	10.52	10.41	10.17	10.03	9.97	9.79
All Manufacturing (Excl. Canning)	10.55	10.47	10.22	10.06	10.03	9.82
Durable Goods	10.77	10.66	10.44	10.31	10.26	10.06
Lumber/Wood Prod. (Exc. Furn.)	7.83	7.62	7.63	7.65	7.47	7.53
Furniture and Fixtures	7.78	7.81	7.38	7.45	7.47	7.32
Stone, Clay and Glass Products	9.69	9.62	9.30	9.42	9.36	9.11
Primary Metal Industries	10.02	10.08	9.71	9.55	9.63	9.33
Iron and Steel Foundries	10.05	10.23	10.03	9.66	9.85	9.68
Fabricated Metal Products	10.31	10.28	10.20	9.89	9.90	9.71
Fab. Structural Metal Prod.	10.22	10.16	10.18	9.73	9.70	9.65
Metal Stampings	10.38	10.29	10.09	10.05	9.99	9.90
Machinery (Except Electrical)	11.85	11.67	11.63	11.36	11.29	11.15
Engines and Turbines	13.07	12.82	12.74	12.41	12.34	12.11
Farm Machinery and Equip.	13.03	13.02	12.50	12.60	12.59	12.19
Const. and Related Mach.	11.43	11.21	11.75	11.01	10.93	11.39
Metalworking Mach. and Equip.	12.65	12.52	11.78	11.86	11.85	11.23
Spec. Ind. Mach. (Exc. Metal) .	11.68	11.59	11.38	10.95	10.94	10.68
Gen. Industrial Mach. and Equip.	12.21	12.15	12.06	11.80	11.83	11.53
Electrical Mach., Equip. and Supp.	10.13	10.10	9.77	9.74	9.80	9.55
Electrical Industrial Apparatus	10.47	10.48	10.40	10.18	10.22	10.27
Transportation Equipment	14.06	13.96	13.11	13.32	13.26	12.63
Instruments and Related Prod.	9.01	8.93	8.70	8.85	8.79	8.52
Nondurable Goods	10.10	10.01	9.70	9.56	9.49	9.32
Food and Kindred Products	9.75	9.53	9.31	9.20	9.04	9.09
Meat Products	8.97	9.03	8.59	8.40	8.49	8.28
Dairy Products	9.73	9.62	9.42	9.28	9.18	9.04
Textile Mill Products	7.37	7.34	7.18	7.14	7.13	6.98
Apparel and Other Fin. Prod.	6.32	6.27	6.12	6.14	6.14	6.04
Paper and Allied Products	11.98	11.93	11.41	11.34	11.31	10.86
Pulp and Paper Mills	12.61	12.61	11.86	11.98	11.99	11.29
Printing, Pub. and Allied Prod.	11.00	10.95	10.51	-	-	-
Chemicals and Allied Products	10.79	10.82	11.02	10.54	10.53	10.62
Rubber and Misc. Plastics Prod.	8.36	8.27	7.99	8.04	7.96	7.75
Leather and Leather Products.	6.39	6.39	6.64	6.19	6.19	6.52

ALL CURRENT MONTH DATA ARE PRELIMINARY. DUE TO BENCHMARK REVISIONS, CURRENTLY-PUBLISHED DATA MAY DIFFER FROM PREVIOUSLY-PUBLISHED DATA FOR THE SAME MONTH. WISCONSIN DATA ARE CURRENTLY ADJUSTED TO EMPLOYMENT LEVELS OF 1ST QUARTER 1984. BENCHMARK REVISIONS FOR WISCONSIN TOTAL NONAGRICULTURAL EMPLOYMENT HAVE AVERAGED 1.0 PERCENT DURING THE MOST RECENT THREE YEARS.

Section

C SUMMARY OF RECENT WISCONSIN DATA

EARNINGS AND HOURS, MFG. Production Workers (Unadjusted) DECEMBER	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings Including O.T.			Average Hourly Earnings Excluding O.T.	
	Latest Month	Month Ago	Year Ago	Latest Month	Month Ago	Year Ago	Latest Month	Month Ago	Year Ago	Latest Month	Month Ago
United States	$404	$393	$387	41.6	40.9	41.2	9.71	9.61	9.40	-	-
Wisconsin	446	435	426	42.4	41.8	41.9	10.52	10.41	10.17	10.03	9.97
Selected Areas											
Appleton-Oshkosh (Calumet-Winnebago-Outagamie)	463	452	446	45.1	44.0	44.2	10.26	10.27	10.08	9.73	9.73
Beloit (City)	392	400	399	41.2	41.6	40.8	9.52	9.62	9.79	-	-
Eau Claire (Eau Claire-Chippewa)	422	415	409	41.5	40.9	41.3	10.17	10.14	9.91	9.82	9.82
Fond du Lac (County)	406	403	404	42.0	41.5	43.8	9.66	9.72	9.22	9.00	8.99
Green Bay (Brown County)	508	489	468	44.2	43.3	42.8	11.49	11.30	10.94	10.63	10.46
Janesville (City)	661	643	583	45.5	45.3	42.9	14.52	14.20	13.59	13.91	13.65
Janesville-Beloit (Rock County)	558	547	507	44.1	43.9	41.8	12.65	12.46	12.12	11.92	11.79
Kenosha (County)	473	469	501	39.7	39.2	44.3	11.92	11.97	11.31	11.59	11.64
La Crosse (County)	381	363	356	41.2	40.1	39.4	9.24	9.06	9.04	8.92	8.82
Madison (Dane County)	407	397	400	41.5	40.8	41.3	9.80	9.74	9.68	9.36	9.33
Manitowoc (County)	399	364	371	41.1	38.9	40.3	9.72	9.37	9.21	9.35	9.09
Milwaukee (Milwaukee-Ozaukee-Waukesha-Washington)	499	486	474	42.4	41.7	41.6	11.78	11.66	11.40	11.11	11.08
Racine (County)	438	434	438	40.5	40.0	40.1	10.81	10.84	10.92	10.46	10.50
Sheboygan (County)	387	375	389	41.3	40.1	40.0	9.37	9.36	9.73	9.21	9.16
Wausau (Marathon County)	417	408	399	42.2	41.9	42.0	9.87	9.73	9.51	9.40	9.37

EMPLOYMENT, MFG. (Unadjusted) DECEMBER	(In Thousands)			Percent Change	
	Latest Month	Month Ago	Year Ago	Month Ago	Year Ago
United States	19,375.0	19,423.0	19,557.0	-0.2	-0.9
Wisconsin	512.3	514.6	515.9	-0.4	-0.7
Selected Areas					
Appleton-Oshkosh (Calumet-Winnebago-Outagamie)	48.0	47.9	46.5	0.2	3.2
Beloit (City)	5.4	5.4	5.8	0.0	-6.9
Eau Claire (Eau Claire-Chippewa)	9.0	9.1	9.2	-1.1	-2.2
Fond du Lac (County)	9.9	9.6	10.5	3.1	-5.7
Green Bay (Brown County)	23.0	23.4	22.3	-1.7	3.1
Janesville (City)	11.0	10.9	11.0	0.9	0.0
Janesville-Beloit (Rock County)	18.6	18.7	19.1	-0.5	-2.6
Kenosha (County)	12.4	12.2	15.7	1.6	-21.0
La Crosse (County)	11.1	11.1	11.0	0.0	0.9
Madison (Dane County)	21.2	21.5	20.4	-1.4	3.9
Manitowoc (County)	10.6	11.1	11.0	-4.5	-3.6
Milwaukee (Milwaukee-Ozaukee-Waukesha-Washington)	169.4	169.2	175.2	0.1	-3.3
Racine (County)	25.0	25.1	25.9	-0.4	-3.5
Sheboygan (County)	18.0	18.1	19.1	-0.6	-5.8
Wausau (Marathon County)	11.5	11.7	11.0	-1.7	4.5

NONFARM WAGE AND SALARY REVISIONS
1984 and 1985 annual averages

by August L. Cibarich

Each month a survey of approximately 6,500 Wisconsin firms is conducted to obtain estimates of industry employment levels. The survey is called the Current Employment Statistics survey or BLS-790 survey. A preliminary number is released almost immediately and a revised estimate, which incorporates late survey returns, is released a month later.

At the completion of each calendar year, further revisions called rebenchmarking occur. Rebenchmarking is needed to account for sample inadequacies, industry classification changes, new firm births, sample response delinquency and estimating errors.

State law and administrative ruling requires employers who are covered by unemployment compensation to report their number of workers. These reported employment levels are virtually a universal count for the areas of our economy covered by the law; and thus, are the benchmark for employment estimates.

However, the data received from the state's unemployment compensation system, the primary source for rebenchmarking, have a nine-month lag. So, each year's estimates are actually rebenchmarked twice. The employment estimates for 1984, for example, were rebenchmarked first in the beginning of 1985 using unemployment compensation records from March of 1984. They were rebenchmarked this month for a second time using records from March of 1985.

Additional information is received from the County Business Patterns, special surveys, the Bureau of Labor Statistics and other sources. All are used to improve the estimates through the rebenchmarking process. Data revisions occur down to the individual firm's level and are aggregated to the industry detail level normally published.

Annual average employment estimates and estimates for each of the months have been rebenchmarked for 1984 and 1985.

The second rebenchmarking of 1984 data resulted in an increase of 8,100 jobs, or 0.4 percent, to the annual average level of nonfarm wage and salary employment for Wisconsin, while the first rebenchmarking of 1985 data resulted in a decrease of 9,800, or 0.5 percent, to the 1985 annual average, reducing the gain from the initial monthly estimates to 27,600 from 37,400.

The second rebenchmarking of 1984 data added 10.6 percent to the NFWS employment annual average gain from the 1983 unchanged level, increasing the gain to 84,400 in 1984 from the initially reported increase of 76,100.

In 1984, revisions added significant amounts to transportation, communication and public utilities, +2,200; construction, +4,900; manufacturing, +1,100; and government, +1,100 and reduced trade employment by 1,000.

Major revisions in 1985 included additions of 3,600 to transportation, communication and public utilities and +2,300 to construction, while reducing trade by 9,400, finance, insurance and real estate by 2,400 and service employment by 4,100.

ORIGINAL ESTIMATES AND REBENCHMARKED NONFARM WAGE AND SALARY LEVELS
Annual Averages

	First Rebench marking* 1984	Second Rebench marking** 1984	Number Change	Original Estimate 1985	First Rebench marking** 1985	Numbe Chang
Total NFWS	1,941.1	1,949.2	+8.1	1,986.6	1,976.8	-9.8
Mining	1.8	1.9	+0.1	1.8	2.2	+0.4
Const.	58.3	63.2	+4.9	60.5	62.8	+2.3
Mfg.	517.8	518.9	+1.1	514.2	514.8	+0.6
Durable	321.7	322.5	+0.8	316.5	315.4	-1.1
Nondurable	196.2	196.4	+0.2	197.8	199.4	+1.6
TC&PU	89.7	91.9	+2.2	90.1	93.7	+3.6
Trade	453.8	452.8	-1.0	471.9	462.5	-9.4
Wholesale	99.9	98.1	-1.8	101.0	98.4	-2.6
Retail	353.9	354.7	+0.8	370.9	364.0	-6.9
F.I.R.E	102.2	101.3	-0.9	106.6	104.2	-2.4
Service	403.9	404.4	+0.5	419.3	415.2	-4.1
Govt.	313.6	314.7	+1.1	322.2	321.6	-0.6
Federal	26.7	26.7	+0	27.4	27.5	+0.1
State	79.9	80.4	+0.5	83.0	82.8	-0.2
Local	206.9	207.6	+0.7	212.0	211.2	-0.8

*Based on March 1984 benchmark.
**Based on March 1985 benchmark.

Nonfarm Wage and Salary Employment
Annual Average Change (1)

The annual average nonfarm wage and salary employment gain between 1984 and 1985 was changed significantly by the annual benchmarking revisions.

The higher 1984 level and the reduction in the 1985 interim estimates that we published during 1985 resulted in significant reduction in the net gain over the year. Both the higher 1984 level and the lowering of the 1985 level contributed towards the narrowing of the 1985 gain.

Goods Producting Sector

If we look at the 1984-1985 changes after the revisions, we see a resumption of decline in the goods producing sector after several years of recovery resulting in a loss of 4,100 in manufacturing and 400 in construction, while the small mining industry increased by 300.

The most significant decline was in the durable goods manufacturing industry group, which declined by 7,100, while the nondurable goods group increased by 3,000.

(1) Data was rebenchmarked to March 1985 levels during January 1986. For a more detailed description of rebenchmarking, see the February 1982 issued of Wisconsin Employment and Economic Indicators. For further reference, contact John Henning at 608/266-8341.

Service Producing Sector

All major industry groups increased in the service producing sector with the smallest increase in wholesale trade, which increased only 300 jobs or 0.3 percent. All other groupings had significant gains.

Other increases ranged from 1,800 in transportation, communication and public utilities group to 10,800 in the service and miscellaneous group.

NONFARM WAGE AND SALARY EMPLOYMENT CHANGE
1984-1985
ANNUAL AVERAGES

	1984	1985	1984-1985 Change Number	1984-1985 Change Percent
NONFARM WAGE AND SALARY	1,949.2	1,976.8	+27.6	+ 1.4
MINING	1.9	2.2	+ 0.3	+15.8
CONSTRUCTION	63.2	62.8	- 0.4	- 0.6
MANUFACTURING	518.9	514.8	- 4.1	- 0.8
DURABLE GOODS	322.5	315.4	- 7.1	- 2.2
LUMBER AND WOOD	22.4	22.6	+ 0.2	+ 0.9
FURNITURE & FIXTURES	9.8	9.8	+ 0	+ 0
STONE, CLAY AND GLASS	8.1	7.8	- 0.3	- 3.7
PRIMARY METALS	19.9	19.3	- 0.6	- 3.0
FABRICATED METAL	51.9	51.4	- 0.5	- 1.0
MACHINERY, NONELECTRIC	101.9	100.1	- 1.8	- 1.8
ELECTRIC & ELECTRONIC	52.1	50.1	- 2.0	- 3.8
TRANSPORTATION EQUIPMENT	35.3	32.8	- 2.5	- 7.1
INSTRUMENTS & RELATED	11.2	11.4	+ 0.2	+ 1.8
MISCELLANEOUS MFG.	10.0	10.1	+ 0.1	+ 1.0
NONDURABLE GOODS	196.4	199.4	+ 3.0	+ 1.5
FOOD AND KINDRED	62.2	62.5	+ 0.3	+ 0.5
TEXTILE MILLS	4.3	4.2	- 0.1	- 2.3
APPAREL & OTHER TEXTILE	6.4	6.3	- 0.1	- 1.6
PAPER AND ALLIED	47.5	48.1	+ 0.6	+ 1.3
PRINTING & PUBLISHING	36.6	38.2	+ 1.6	+ 4.4
CHEMICALS AND ALLIED	9.7	10.0	+ 0.3	+ 3.1
PETROLEUM AND COAL	0.4	0.3	- 0.1	-25.0
RUBBER & MISC. PLASTICS	21.2	22.6	+ 1.4	+ 6.6
LEATHER	8.1	7.3	- 0.8	-10.0
TRANS. & PUBLIC UTILITIES	91.9	93.7	+ 1.8	+ 2.0
TRADE	452.8	462.5	+ 9.7	+ 2.1
WHOLESALE TRADE	98.1	98.4	+ 0.3	+ 0.3
RETAIL TRADE	354.7	364.0	+ 9.3	+ 2.6
FINANCE, INS. & REAL ESTATE	101.3	104.2	+ 2.9	+ 2.9
SERVICES	404.4	415.2	+10.8	+ 2.7
GOVERNMENT	314.7	321.6	+ 6.9	+ 2.2
FEDERAL GOVERNMENT	26.8	27.5	+ 0.7	+ 2.6
STATE GOVERNMENT	80.4	82.8	+ 2.4	+ 3.0
LOCAL GOVERNMENT	207.6	211.2	+ 3.6	+ 1.7
LABOR-MANAGEMENT DISPUTES	0.8	0.4	- 0.4	-50.0

Nonfarm Wage and Salary Changes 1979-1985

Despite the significantly smaller increase between 1984 and 1985, the 1985 data reached an all-time record of 1,976,800, as we finally surpassed the level of 1,960,200 in 1979 by 16,600 after a six-year span.

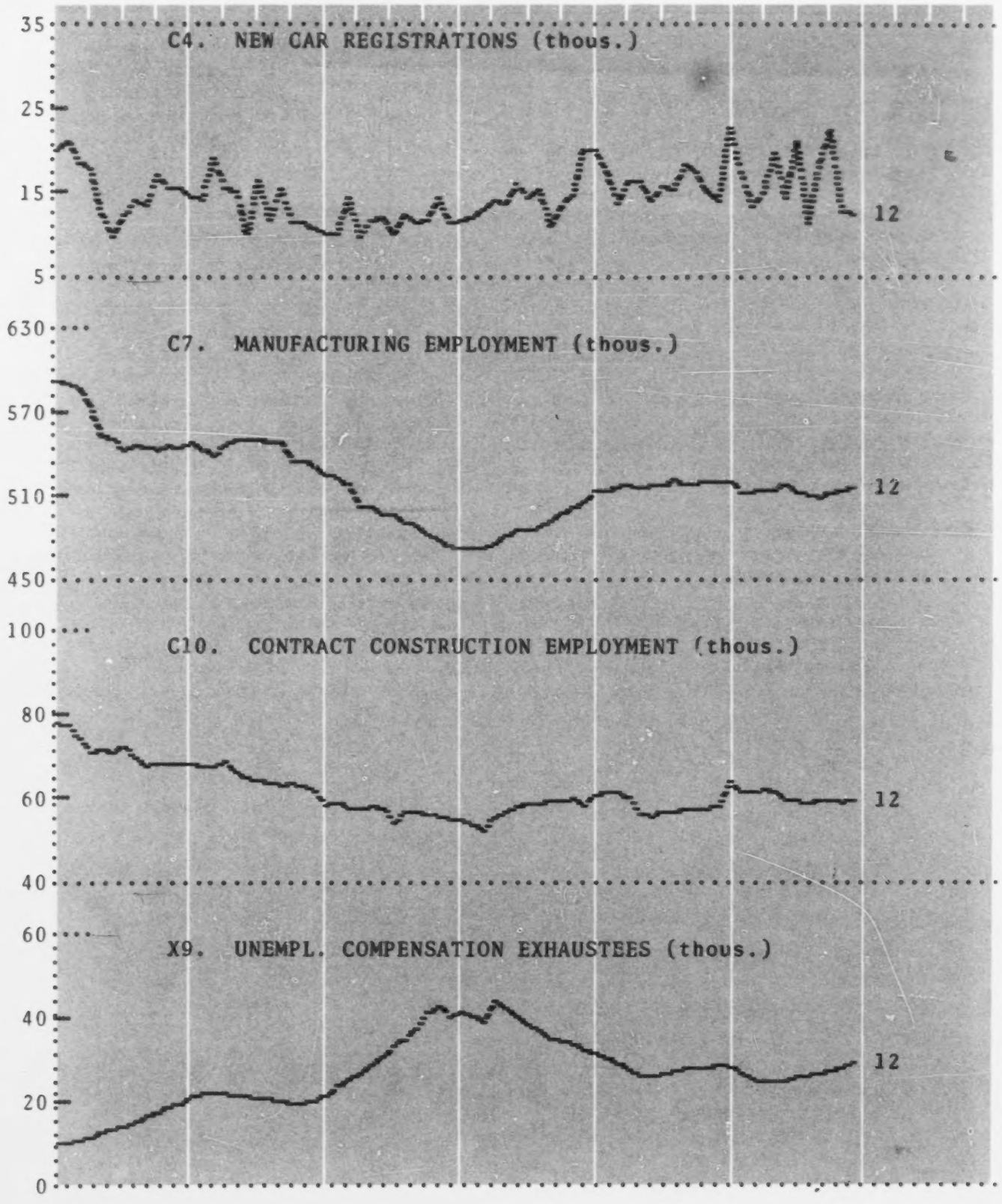
All industry groups in the goods production sector, manufacturing, construction and mining remain below their 1979 prerecessionary levels, while all service producing level groups are above 1979 levels, with most significantly above 1979 levels.

NONFARM WAGE AND SALARY EMPLOYMENT CHANGE
1979-1985
ANNUAL AVERAGES

	1979	1985	1979-1985 Change Number	Percent
NONFARM WAGE AND SALARY	1,960.2	1,976.8	+16.6	+ 0.8
MINING	2.6	2.2	- 0.4	-15.4
CONSTRUCTION	80.5	62.8	-17.7	-22.0
MANUFACTURING	591.3	514.8	-76.5	-12.9
DURABLE GOODS	393.7	315.4	-78.3	-19.9
LUMBER AND WOOD	23.3	22.6	- 0.7	- 3.0
FURNITURE & FIXTURES	10.5	9.8	- 0.7	- 6.7
STONE, CLAY AND GLASS	10.0	7.8	- 2.2	-22.2
PRIMARY METALS	29.6	19.3	-10.3	-34.8
FABRICATED METAL	60.9	51.4	- 9.5	-15.6
MACHINERY, NONELECTRIC	134.5	100.1	-34.4	-25.6
ELECTRIC & ELECTRONIC	58.2	50.1	- 8.1	-13.9
TRANSPORTATION EQUIPMENT	42.6	32.8	- 9.8	-23.0
INSTRUMENTS & RELATED	12.4	11.4	- 1.0	- 8.1
MISCELLANEOUS MFG.	11.6	10.1	- 1.5	-12.9
NONDURABLE GOODS	197.6	199.4	+ 1.8	+ 0.9
FOOD AND KINDRED	64.6	62.5	- 2.1	- 3.3
TEXTILE MILLS	5.4	4.2	- 1.2	-22.2
APPAREL & OTHER TEXTILE	6.6	6.3	- 0.3	- 4.5
PAPER AND ALLIED	48.9	48.1	- 0.8	- 1.6
PRINTING & PUBLISHING	32.4	38.2	+ 5.8	+17.9
CHEMICALS AND ALLIED	9.8	10.0	+ 0.2	+ 2.0
PETROLEUM AND COAL	0.4	0.3	- 0.1	-25.0
RUBBER & MISC. PLASTICS	19.4	22.6	+ 3.2	+16.5
LEATHER	10.2	7.3	- 2.9	-28.4
TRANS. & PUBLIC UTILITIES	92.2	93.7	+ 1.5	+ 1.6
TRADE	441.2	462.5	+21.3	+ 4.8
WHOLESALE TRADE	96.4	98.4	+ 2.0	+ 2.1
RETAIL TRADE	344.8	364.0	+19.2	+ 5.6
FINANCE, INS. & REAL ESTATE	90.3	104.2	+13.9	+15.4
SERVICES	351.9	415.2	+63.3	+18.0
GOVERNMENT	310.1	321.6	+11.5	+ 3.7
FEDERAL GOVERNMENT	27.1	27.5	+ 0.4	+ 1.5
STATE GOVERNMENT	76.3	82.8	+ 6.5	+ 8.5
LOCAL GOVERNMENT	206.7	211.2	+ 4.5	+ 2.2
LABOR-MANAGEMENT DISPUTES	3.2	0.4	- 2.8	-87.5

Section

D CYCLICAL INDICATORS



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